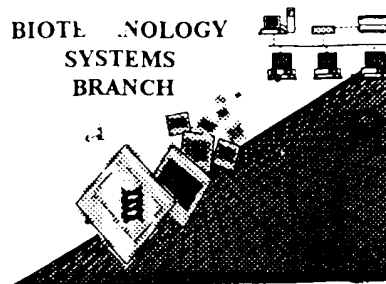


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
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CENTER 1600/2900

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/509,559

Source: 1647

Date Processed by STIC: 10/10/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

#14/10

11-13-1

1647

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,559

DATE: 10/10/2001
TIME: 10:18:23

Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\10102001\I509559.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:
E--> 5 (i) APPLICANT:
C--> 11 (ii) TITLE OF INVENTION: Cadherin derived growth factor and
12 its use
13 (iii) NUMBER OF SEQUENCES: 14
E--> 0 (iv) CORRESPONDENCE ADDRESS:
7 (B) STREET: Feodor-Lynen-Strasse 31
8 (C) CITY: Hannover
9 (E) COUNTRY: Germany
C--> 10 (F) ZIP: 30625
C--> 14 (v) COMPUTER READABLE FORM:
15 (A) MEDIUM TYPE: Floppy disk
16 (B) COMPUTER: IBM PC compatible
17 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
18 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPA)
C--> 0 (vi) CURRENT APPLICATION DATA:
C--> 0 (A) APPLICATION NUMBER: US/09/509,559
C--> 0 (B) FILING DATE: 27-Nov-2000
C--> 0 (viii) ATTORNEY/AGENT INFORMATION:
5 (A) NAME: Wolf-Georg Forssmann

DOCS NOT COMPLY
OTHER INFORMATION REQUIRED

222
P 3

ERRORED SEQUENCES

20 (2) INFORMATION FOR SEQ ID NO: 1:
21 (i) SEQUENCE CHARACTERISTICS:
22 (A) LENGTH: 123 Amino acids
23 (B) TYPE: Amino acid
24 (C) STRANDEDNESS: unknown
25 (D) TOPOLOGY: unknown
26 (ii) MOLECULE TYPE: Peptide
27 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
29 Cys His Pro Gly Phe Asp Ala Glu Ser Tyr Thr Phe Thr Val Pro Arg
30 1 5 10 15
32 Arg His Leu Glu Arg Gly Arg Val Leu Gly Arg Val Asn Phe Cys Thr
33 20 25 30
35 Gly Arg Gln Arg Thr Ala Tyr Phe Ser Leu Asp Thr Arg Phe Lys Val
36 35 40 45
38 Gly Thr Asp Gly Val Ile Thr Val Lys Arg Pro Leu Arg Phe His Asn
39 50 55 60
41 Pro Gln Ile His Phe Leu Val Tyr Ala Trp Asp Ser Thr Tyr Arg Lys
42 65 70 75 80
44 Phe Ser Thr Lys Val Thr Leu Asn Gly His His Arg Pro Pro Pro
45 85 90 95
47 His Gln Ala Ser Val Ser Gly Ile Gln Ala Glu Leu Leu Thr Phe Pro
E--> 48 /X100 <-105 <-110

MOLECULE (please correct this in subsequent sequence)

misaligned amino acid nos.
(see item 3 on Error Summary Sheet)

RAW SEQUENCE LISTING

DATE: 10/10/2001

PATENT APPLICATION: US/09/509,559

TIME: 10:18:23

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\10102001\I509559.raw

50	Asn	Ser	Ser	Pro	Gly	Leu	Arg	Arg	Gln	Lys	Arg
51			115								120

SEQUENCE LISTING

(1) GENERAL INFORMATION:

(i) APPLICANT:

~~(A) NAME:~~ Wolf-Georg Forssmann~~(B) STREET:~~ Feodor-Lynen-Strasse 31~~(C) CITY:~~ Hannover~~(E) COUNTRY:~~ Germany~~(F) POSTAL CODE:~~ 30625(ii) ~~TITLE~~ OF ~~THE~~ INVENTION: Cadherin derived growth factor and its use TITLE

(iii) NUMBER OF SEQUENCES: 14

(iv) ~~iv~~ COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk

(B) COMPUTER: IBM PC compatible

(C) OPERATING SYSTEM: PC-DOS/MS-DOS

(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE:

(B) STREET:

(C) CITY:

(D) STATE:

(E) COUNTRY:

(F) ZIP:

(2) INFORMATION FOR SEQ ID NO: 1:

(iv) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:

(B) FILING DATE:

(EPA)

EPO format

is invalid

for U.S.

cases

add these
mandatory
headings
for a U.S. case

add these
MANDATORY
headings and responses
for
U.S.
case

delete

heading

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/509,559

DATE: 10/10/2001

TIME: 10:18:24

Input Set : A:\PTO_VSK.txt

Output Set: N:\CRF3\10102001\I509559.raw

L:10 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:11 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:14 M:220 C: Keyword misspelled or invalid format, [(v) COMPUTER READABLE FORM:]
L:5 M:200 E: Mandatory Header Field missing, [(i) APPLICANT:] of (1) Value not provided
L:0 M:200 E: Mandatory Header Field missing, [(A) ADDRESSEE:] of (1)(iv)
L:0 M:248 E: Inserted missing Mandatory Header Field, [(iv) CORRESPONDENCE ADDRESS:]
L:0 M:247 C: Inserted Optional Header Field, [(viii) ATTORNEY/AGENT INFORMATION:]
L:0 M:249 C: Inserted Mandatory Field, [(vi) CURRENT APPLICATION DATA:]
L:0 M:249 C: Inserted Mandatory Field, [(A) APPLICATION NUMBER:]
L:0 M:249 C: Inserted Mandatory Field, [(B) FILING DATE:]
L:48 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1